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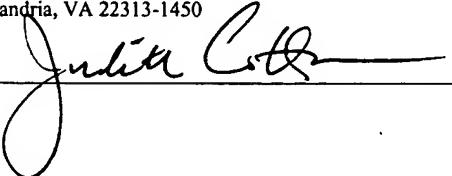
PATENT
Attorney Docket No.: 17682A-003650US

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Commissioner for Patents

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By: 

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re continuation application of US 10/160,977 to:

Robert O. Dempcy *et al.*

Application No.: Not yet assigned

Filed: Herewith

For: **MODIFIED
OLIGONUCLEOTIDES FOR
MISMATCH DISCRIMINATION**

Examiner: Kenneth R. Horlick (parent)

Art Unit: 1637 (parent)

**INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08B are being called to the attention of the Examiner. In accordance with 37 CFR §1.98(d), copies of the references can be found in Application No. 10/032,307, filed 12/21/01 (Attorney Docket No. 17682A-003630US). It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

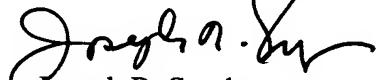
As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no

representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement.

However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



Joseph R. Snyder
Reg. No. 39,381

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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	
		Filing Date	
		First Named Inventor	Dempcy, Robert O., et. al.
		Art Unit	
		Examiner Name	
Sheet	1	of	5
		Attorney Docket Number	

U.S. PATENT DOCUMENTS				
		Document Number		
Examiner	Cite No. ¹	Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	1	6,127,121	10/3/00	Meyer, Jr., et al.
	2	5,177,196	1/5/93	Meyer, Jr., et al.
	3	5,512,667	4/30/96	Reed, et al.
	4	09/457,616	12/08/99	
	5	5,419,966	5/30/95	Reed, et al.
	6	5,801,155	9/1/98	Kutyavin et al.
	7	5,696,251	12/9/97	Arnold, Jr., et al.
	8	5,585,481	12/17/96	Arnold, Jr., et al.
	9	5,942,610	8/24/99	Nelson, et al.
	10	5,736,626	4/7/98	Mullah, et al.
	11	3,996,345	12/7/76	Ullman, et al.
	12	4,351,760	9/28/82	Khanna et al.
	13	5,645,985	7/8/97	Froehler, et al.
	14	5,484,908	1/16/96	Froehler, et al.
	15	5,492,806	2/20/96	Drmanac, et al.
	16	5,525,464	6/11/96	Drmanac, et al.
	17	5,556,749	9/17/96	Mitsuhashi, et al.
	18	5,824,796	10/20/98	Petrie, et al.
	19	5,210,015	5/11/93	Gelfand, et al.
	20	5,449,767	9/12/95	Ward, et al.
	21	6,312,894	11/6/01	Hedgpeth, et al.
	22	4,358,535	11/9/82	Falkow et al.
	23	4,868,105	9/19/89	Urdea et al.
	24	5,124,246	6/23/92	Urdea, et al.
	25	4,683,202	7/28/87	Mullis
	26	4,683,195	7/28/87	Mullis, et al.
	27	4,800,159	1/24/89	Mullis et al.

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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	
(use as many sheets as necessary)				Filing Date	
Sheet	2	of	5	First Named Inventor	Dempcy, Robert O., et. al.
				Art Unit	
				Examiner Name	
				Attorney Docket Number	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code ³	Number ⁴				
	28	WO	96/32496				<input type="checkbox"/>
	29	WO	92/10588				<input type="checkbox"/>
	30	WO	96/17957				<input type="checkbox"/>
	31	WO	99/37085				<input type="checkbox"/>

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS							
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					T ²
	32	Chen et al. <i>Nucleic Acids Res.</i> 23:2661-2668 (1995)					
	33	Singh et al., <i>Chem. Comm.</i> , 455-456 (1998)					
	34	Wengel J., <i>Acc. Chem Res.</i> , 32:301-310 (1998)					
	35	Palissa et al., <i>Z. Chem.</i> , 27:216 (1987)					
	36	Nielsen et al. <i>Science</i> 254: 1497-1500 (1991)					
	37	Uhlmann et al. <i>Angew. Chem. Ing. Ed.</i> 37:2796-2823 (1998)					
	38	Wemmer, D.E. et al., <i>Current Opinion in Structural Biology</i> , 7:355-361 (1997)					
	39	Walker, W.L. et al., <i>Biopolymers</i> , 44:323-334 (1997)					
	40	Zimmer, C et al., <i>U. Prog. Biophys. Molec. Bio.</i> 47:31-112 (1986)					

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Sheet	3	of	5
		Attorney Docket Number	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	41	Reddy, et al., <i>Pharmacol. Therap.</i> , 84:1-111 (1999)
	42	Talon, T.A. et al., <i>Science</i> 289:1757-1760 (2000)
	43	Balow et al., <i>Nuc. Acid Res.</i> , 26:3350-3357 (1998)
	44	Seela et al., <i>J. Chem. Soc. Perkin Trans. I</i> :479-488 (1999)
	45	Ramzaeva et al., <i>Helv. Chim. Acta</i> , 80:1809-1822 (1997)
	46	Vincent et al. <i>J. Org. Chem.</i> , 64:991-997 (1999)
	47	Beaucage et al., <i>Tetrahedron</i> 48:2223-2311 (1992)
	48	Scheit, <i>Nucleotide Analogs</i> , John Wiley, New York (1980)
	49	Uhlman et al., <i>Chemical Reviews</i> , 90:543-584 (1990)
	50	Seela et al., <i>Nucl. Acids Res.</i> , 28:3224-3232 (2000)
	51	Bolli et al., <i>Nucl. Acids Res.</i> , 24:4660-4667 (1996)
	52	Sugimoto et al., <i>Biochem</i> 34:11211-11216 (1995)
	53	Santalucia et al., <i>Biochem</i> , 36:10581-10595 (1997)
	54	Schutz et al., <i>BioTechniques</i> , 27:1218-22 (1999)

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				First Named Inventor	Dempcy, Robert O., et. al.
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Sheet	4	of	5	Attorney Docket Number	

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Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	55	Owczarzy et al. <i>Biopolymers</i> , 44:217-239 (1997)	
	56	Geisen et al. <i>Nucl. Acids Res.</i> , 26:5004-5006 (1998)	
	57	Blake et al., <i>Bioinformatics</i> , 15:370-5 (1999)	
	58	Van Ness et al., <i>Nucleic Acids Res.</i> , 19:5143-5151 (1991)	
	59	J. Chromatogr., B. <i>Biomed. Sci. Appl.</i> 739:139-150 (2000)	
	60	Draper et al., <i>Biochemistry</i> 19:1774-1791 (1980)	
	61	Pastinen T. et al., <i>Genome Res.</i> , 10:1031-42 (2000)	
	62	Lyamichev et al., <i>Nature Biotechnol.</i> , 17:292-296 (1999)	
	63	Mueller et al., <i>Histochem, Cell Biol.</i> , 108:431-437 (1997)	
	64	Capaldi et al., <i>Nuc. Acids Res.</i> , 28:E21 (2000)	
	65	Eisen, et al., <i>Methods in Enzymology</i> , 303:179-205 (1999)	
	66	Hacia et al., <i>J. Mol. Genet.</i> , 36:730-736 (1999)	
	67	Smith et al., <i>Int. J. Oncol.</i> , 17:841-850 (2000)	
	68	Zhang et al., <i>Nat. Biotechnol.</i> , 18:862-867 (2000)	

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	69	Flanagan et al., <i>Nat. Biotechnol.</i> , 14:1139-1145		
	70	Livak et al., <i>PCT Meth. App.</i> 4:357-362 (1995)		
	71	Heid et al., <i>Genome Res.</i> 6:986-994 (1996)		
	72	Taylor et al., <i>Tetrahedron</i> , 48(37):8089-8100 (1992)		
	73	Lohkov, S.G., <i>FEBS Letters</i> 420:134-138 (1997)		
	74	Hall et al., <i>PNAS</i> 97:8272-77 (2000)		

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